Research Journal of Pharmaceutical, Biological and Chemical Sciences, 2016, vol.7, N6, pages 3201-3206

Results of subfossil Cladocera (Branchiopoda, Crustacea) analyses from bottom deposits of Lake Antyukh-Lambina (Kola Peninsula, Murmansk region).

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Abstract

The research is executed for restoration of climatic and ecological conditions of the past in the territory of the Kola Peninsula. The lake Antyukh-Lambina was once a part of the large lake Kolvitskoye and consequently, its ground "archives" contain information on its development, change of natural situations on a reservoir, change of climatic conditions of the region in general. The analysis the subfossil cladoceria of communities of ground deposits of the Kola Peninsula was not carried out and is of special interest itself in connection with the accruing anthropogenous loading in the region. In work results of the paleobiologic analysis of communities Cladocera in ground deposits of the lake Antyukh-Lambina are presented. It is established that in a reservoir palaearctic and holarctic taxons prevail, cosmopolitan distribution is peculiar to only 15% of the revealed taxons. Comparison of results with data of the hironomidny analysis is carried out. Information on researches of planktonic communities of lakes of the Kola Peninsula and its comparison with the data received during the analysis of the remains of Cladocera in ground deposits of the lake Antyukh- Lambina is provided. In work the indexes defining degree of specific wealth, variety and domination of communities the Crustacea are used, statistical and stratigraphic analyses are made. Results of the lithostratigraphic analysis are presented.

Keywords

Kola Peninsula, Paleoclimatology, paleolimnology, Subfossil Cladocera